

Storm Data and Unusual Weather Phenomena - August 2011

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
ILLINOIS, South				
(IL-Z075) JEFFERSON, (IL-Z076) WAYNE, (IL-Z077) EDWARDS, (IL-Z078) WABASH, (IL-Z080) PERRY, (IL-Z081) FRANKLIN, (IL-Z082) HAMILTON, (IL-Z083) WHITE, (IL-Z084) JACKSON, (IL-Z085) WILLIAMSON, (IL-Z086) SALINE, (IL-Z087) GALLATIN, (IL-Z088) UNION, (IL-Z089) JOHNSON, (IL-Z090) POPE, (IL-Z091) HARDIN, (IL-Z092) ALEXANDER, (IL-Z093) PULASKI, (IL-Z094) MASSAC				
	08/01/11 11:00 CST		0	Heat
	08/03/11 17:00 CST		0	
(IL-Z080) PERRY, (IL-Z081) FRANKLIN, (IL-Z082) HAMILTON, (IL-Z083) WHITE, (IL-Z084) JACKSON, (IL-Z085) WILLIAMSON, (IL-Z086) SALINE, (IL-Z087) GALLATIN, (IL-Z088) UNION, (IL-Z089) JOHNSON, (IL-Z090) POPE, (IL-Z091) HARDIN, (IL-Z092) ALEXANDER, (IL-Z093) PULASKI, (IL-Z094) MASSAC				
	08/03/11 11:00 CST		0	Excessive Heat
	08/03/11 17:00 CST		0	
A large and strong high in the upper levels of the atmosphere remained centered over the south central United States. The strength and size of the high brought excessive heat as far northeast as the Lower Ohio Valley and Mid-Mississippi Valley. The peak heat index reached 105 degrees at Marion and Mount Vernon on the 1st, 104 degrees at Mount Vernon on the 2nd, and 113 degrees at Carbondale on the 3rd. Other peak heat indices on the 3rd were 110 degrees at Marion and Harrisburg and 115 at Metropolis.				
(IL-Z075) JEFFERSON, (IL-Z076) WAYNE, (IL-Z077) EDWARDS, (IL-Z078) WABASH, (IL-Z080) PERRY, (IL-Z081) FRANKLIN, (IL-Z082) HAMILTON, (IL-Z083) WHITE, (IL-Z084) JACKSON, (IL-Z086) SALINE, (IL-Z087) GALLATIN, (IL-Z088) UNION, (IL-Z089) JOHNSON, (IL-Z090) POPE, (IL-Z091) HARDIN, (IL-Z092) ALEXANDER, (IL-Z093) PULASKI, (IL-Z094) MASSAC				
	08/06/11 11:00 CST		0	Heat
	08/07/11 18:00 CST		0	
In the wake of a warm frontal passage, hot and humid conditions overspread southern Illinois. The peak heat index on the 6th reached 108 degrees at Marion and Carbondale, and 105 at Harrisburg and Carmi. The peak heat index on the 7th reached 110 degrees at Harrisburg, 109 degrees at Carbondale, 108 at Marion, and 105 at Mount Vernon.				
JACKSON COUNTY --- GORHAM [37.72, -89.48]				
	08/06/11 22:55 CST		50K	Thunderstorm Wind (EG 61 kt)
	08/06/11 22:55 CST		0	Source: Fire Department/Rescue
A roof was blown off a house, and a garage was destroyed. A camper was blown over. Debris was blown onto a main street.				
WAYNE COUNTY --- FAIRFIELD [38.38, -88.37]				
	08/06/11 23:30 CST		20K	Thunderstorm Wind (EG 52 kt)
	08/06/11 23:30 CST		0	Source: Newspaper
A couple of trees were felled in a cemetery. Tree limbs were knocked down around the city. A tree fell on a power line, knocking out power for several hours in the city.				
MASSAC COUNTY --- MERMET [37.27, -88.85], ROUND KNOB [37.25, -88.75]				
	08/07/11 00:00 CST		5K	Thunderstorm Wind (EG 50 kt)
	08/07/11 00:06 CST		0	Source: Fire Department/Rescue
An awning was ripper off a camper near Mermet. A wind gust to 57 mph was measured near Round Knob.				
MASSAC COUNTY --- 0.9 NNE GRINNELL [37.29, -88.86]				
	08/07/11 00:05 CST		0	Hail (0.75 in)
	08/07/11 00:05 CST		0	Source: Emergency Manager
Dime-size hail occurred at U.S. Highway 45 and Illinois Route 169.				
Clusters of strong to severe thunderstorms evolved into a linear mesoscale convective system that crossed far southern Illinois. These storms preceded a cold front as it tracked east-southeast across Illinois and southeast Missouri. The storms were aided by a weak but amplifying 500 mb shortwave trough that moved east-southeast toward the middle and upper Mississippi Valley. Some of the storms produced large hail and wind damage.				
POPE COUNTY --- 2.0 NW DIXON SPGS [37.40, -88.71]				

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	08/18/11 13:45 CST		0	Thunderstorm Wind (MG 50 kt)
	08/18/11 13:45 CST		0	Source: Trained Spotter

EDWARDS COUNTY --- 1.0 NW BONE GAP [38.46, -88.01]

08/18/11 14:55 CST	0	Hail (1.75 in)
08/18/11 14:55 CST	0	Source: Emergency Manager

Golf-ball size hail occurred just northwest of Bone Gap.

JACKSON COUNTY --- (MDH)CRBN DL/MRFYSBRO [37.78, -89.25]

08/18/11 15:04 CST	0	Thunderstorm Wind (MG 53 kt)
08/18/11 15:04 CST	0	Source: ASOS

A wind gust to 61 mph was measured by the automated observing system at the Southern Illinois Airport a few miles north of Carbondale.

EDWARDS COUNTY --- ALBION [38.38, -88.05]

08/18/11 15:17 CST	0	Hail (0.75 in)
08/18/11 15:17 CST	0	Source: Law Enforcement

Isolated to scattered thunderstorms developed over southern Illinois during the heat of the afternoon. Surface mesoanalysis depicted a weak front draped across portions of west central Illinois into southern Missouri, with an attendant mesolow over east central Missouri. Storms developed east of the mesolow within an axis of locally enhanced low level convergence. A few storms pulsed up to severe levels in the moderately to very unstable air mass. Rather weak wind flow in the lower to mid levels precluded a more widespread or organized severe threat.

POPE COUNTY --- RAUM [37.47, -88.52]

08/21/11 02:00 CST	0	Heavy Rain
08/21/11 03:30 CST	0	Source: Public

A storm-total rainfall of 3.1 inches was reported by the general public. A two-mile stretch of a rural county road was washed out but passable.

POPE COUNTY --- RAUM [37.47, -88.52]

08/21/11 02:30 CST	2K	Thunderstorm Wind (EG 50 kt)
08/21/11 02:30 CST	0	Source: Public

Large tree limbs at least three inches in diameter were blown down. Underpinning was blown off mobile homes.

A mesoscale convective system developed along a cold front that extended from Ohio southwest across southern Illinois to southern Missouri. The storms produced very heavy rain and isolated strong wind gusts.

INDIANA, Southwest

(IN-Z081) GIBSON, (IN-Z082) PIKE, (IN-Z085) POSEY, (IN-Z086) VANDERBURGH, (IN-Z087) WARRICK

08/01/11 11:00 CST	0	Heat
08/03/11 17:00 CST	0	

(IN-Z085) POSEY, (IN-Z086) VANDERBURGH, (IN-Z087) WARRICK, (IN-Z088) SPENCER

08/03/11 11:00 CST	0	Excessive Heat
08/03/11 17:00 CST	0	

A large and strong high in the upper levels of the atmosphere remained centered over the south central United States. The strength and size of the high brought excessive heat as far northeast as the Lower Ohio Valley and Mid-Mississippi Valley. The peak heat index at Evansville reached 103 degrees on the 1st and 112 degrees on the 3rd.

GIBSON COUNTY --- 2.8 ESE KING [38.28, -87.52], 1.5 E CRAWLEYVILLE [38.28, -87.80], 2.4 SE CRAWLEYVILLE [38.26, -87.80], 1.8 ENE MOUNTS [38.24, -87.67], 4.3 E FT BRANCH [38.24, -87.50]

08/07/11 03:26 CST	0	Flash Flood (due to Heavy Rain)
08/07/11 04:30 CST	0	Source: Fire Department/Rescue

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
The northbound lane of U.S. Highway 41 in Fort Branch was completely underwater. A rainfall total of 4.67 inches was measured within 2.5 hours in Fort Branch. Between Fort Branch and Haubstadt, County Road 25 was closed. Water was over many other roads across southern Gibson County.				

Clusters of thunderstorms over southwest Indiana formed into an east-west oriented line that trained eastward over the same areas. Locally very heavy rain up to 5 inches occurred under this line. The storms preceded a cold front as it tracked east-southeast across Illinois and southeast Missouri. The storms were aided by a weak but amplifying 500 mb shortwave trough that moved east-southeast toward the middle and upper Mississippi Valley.

(IN-Z081) GIBSON, (IN-Z082) PIKE, (IN-Z085) POSEY, (IN-Z086) VANDERBURGH, (IN-Z087) WARRICK, (IN-Z088) SPENCER

08/07/11 11:00 CST	0	Heat
08/07/11 18:00 CST	0	

In the wake of a warm frontal passage, hot and humid conditions overspread southwest Indiana. The peak heat index on the 7th reached 107 degrees at Evansville.

POSEY COUNTY --- 3.0 W POSEYVILLE [38.17, -87.84]

08/18/11 15:02 CST	0	Hail (0.75 in)
08/18/11 15:02 CST	0	Source: Trained Spotter

Isolated to scattered thunderstorms developed over southwest Indiana during the heat of the afternoon. Surface mesoanalysis depicted a weak front draped across portions of west central Illinois into southern Missouri, with an attendant mesolow over east central Missouri. Storms developed east of the mesolow within an axis of locally enhanced low level convergence. Rather weak wind flow in the lower to mid levels precluded a severe weather threat.

KENTUCKY, Southwest

(KY-Z001) FULTON, (KY-Z002) HICKMAN, (KY-Z003) CARLISLE, (KY-Z004) BALLARD, (KY-Z005) MCCrackEN, (KY-Z006) GRAVES, (KY-Z007) LIVINGSTON, (KY-Z010) CRITTENDEN, (KY-Z014) UNION

08/01/11 11:00 CST	0	Heat
08/02/11 17:00 CST	0	

(KY-Z001) FULTON, (KY-Z002) HICKMAN, (KY-Z003) CARLISLE, (KY-Z004) BALLARD, (KY-Z005) MCCrackEN, (KY-Z006) GRAVES, (KY-Z007) LIVINGSTON, (KY-Z008) MARSHALL, (KY-Z009) CALLOWAY, (KY-Z010) CRITTENDEN, (KY-Z011) LYON, (KY-Z012) TRIGG, (KY-Z013) CALDWELL, (KY-Z014) UNION, (KY-Z015) WEBSTER, (KY-Z016) HOPKINS, (KY-Z017) CHRISTIAN, (KY-Z018) HENDERSON, (KY-Z019) DAVIESS, (KY-Z020) MCLEAN, (KY-Z021) MUHLENBERG, (KY-Z022) TODD

08/03/11 11:00 CST	0	Excessive Heat
08/03/11 17:00 CST	1	0

A large and strong high in the upper levels of the atmosphere remained centered over the south central United States. The strength and size of the high brought excessive heat as far northeast as the Lower Ohio Valley and Mid-Mississippi Valley. The peak heat index at Paducah reached 103 degrees on the 1st, 101 on the 2nd, and 117 on the 3rd. On the 3rd, a Kentucky Transportation Cabinet employee was treated for an apparent heat-related illness. The employee was assigned to a brush and weed-clearing crew along U.S. Highway 60 in Ballard County. The worker was treated at a hospital emergency room for dehydration.

FULTON COUNTY --- HICKMAN [36.57, -89.18], 0.5 NE FULTON [36.53, -88.86]

08/03/11 18:45 CST	10K	Thunderstorm Wind (EG 52 kt)
08/03/11 19:15 CST	0	Source: Law Enforcement

Small trees and some large tree limbs were blown down across Fulton County. A flag pole was snapped northeast of Fulton near the Hickman County line. A mesonet site about two miles east of Hickman measured a wind gust to 57 mph.

HICKMAN COUNTY --- 3.0 SW CLINTON [36.64, -89.02]

08/03/11 19:04 CST	2K	Thunderstorm Wind (EG 52 kt)
08/03/11 19:04 CST	0	Source: Public

Wind gusts near 60 mph were reported by the general public near Clinton. At least one large tree was blown down.

A small mesoscale convective system tracked southeast along an instability axis that accompanied a cold front. The cold front moved southeast across western Kentucky during the evening hours. Northwesterly mid-level winds from 30 to 40 knots contributed to sufficient deep-layer shear for damaging winds with the storm clusters.

(KY-Z001) FULTON, (KY-Z002) HICKMAN, (KY-Z003) CARLISLE, (KY-Z004) BALLARD, (KY-Z005) MCCrackEN, (KY-Z006) GRAVES, (KY-Z007)

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
LIVINGSTON, (KY-Z008) MARSHALL, (KY-Z009) CALLOWAY, (KY-Z010) CRITTENDEN, (KY-Z011) LYON, (KY-Z012) TRIGG, (KY-Z013) CALDWELL, (KY-Z014) UNION, (KY-Z015) WEBSTER, (KY-Z016) HOPKINS, (KY-Z017) CHRISTIAN, (KY-Z018) HENDERSON, (KY-Z019) DAVIESS, (KY-Z020) MCLEAN, (KY-Z021) MUHLENBERG, (KY-Z022) TODD				
	08/06/11 11:00 CST		0	Heat
	08/07/11 18:00 CST		0	

In the wake of a warm frontal passage, hot and humid conditions overspread western Kentucky. The peak heat index on the 6th reached 103 degrees at Paducah. The peak heat index on the 7th reached 109 degrees at Owensboro, 107 at Hopkinsville, and 102 at Paducah.

MCCRACKEN COUNTY --- LONE OAK [37.03, -88.67], REIDLAND [37.02, -88.53]				
	08/07/11 00:28 CST		2K	Thunderstorm Wind (EG 50 kt)
	08/07/11 00:35 CST		0	Source: Emergency Manager

Large tree limbs were blown down in Lone Oak, blocking part of U.S. Highway 45. Several large branches were blown down in Reidland, blocking the road to a subdivision.

A mesoscale convective system tracked east-southeast from southern Illinois into western Kentucky. The storms preceded a cold front as it tracked east-southeast across Illinois and southeast Missouri. The storms were aided by a weak but amplifying 500 mb shortwave trough that moved east-southeast toward the middle and upper Mississippi Valley. Before weakening, the storms produced isolated wind damage in the Paducah area.

TODD COUNTY --- ALLENSVILLE [36.72, -87.07], 0.5 WNW HADENSVILLE [36.67, -87.14]				
	08/18/11 14:00 CST		20K	Thunderstorm Wind (EG 56 kt)
	08/18/11 14:15 CST		0	Source: Emergency Manager

The roof was blown off a barn along Highway 848 near Hadenerville. Numerous trees were blown down near the community of Allensville.

Isolated to scattered thunderstorms developed over western Kentucky during the heat of the afternoon. Surface mesoanalysis depicted a weak front draped across portions of west central Illinois into southern Missouri, with an attendant mesolow over east central Missouri. Storms developed east and southeast of the mesolow within an axis of locally enhanced low level convergence. A storm pulsed up to severe levels in the moderately to very unstable air mass. Rather weak wind flow in the lower to mid levels precluded a more widespread or organized severe threat.

MISSOURI, Southeast

(MO-Z076) PERRY, (MO-Z086) BOLLINGER, (MO-Z087) CAPE GIRARDEAU, (MO-Z100) WAYNE, (MO-Z107) CARTER, (MO-Z108) RIPLEY, (MO-Z109) BUTLER, (MO-Z110) STODDARD, (MO-Z111) SCOTT, (MO-Z112) MISSISSIPPI, (MO-Z114) NEW MADRID				
	08/01/11 11:00 CST		0	Heat
	08/02/11 17:00 CST		0	

(MO-Z076) PERRY, (MO-Z086) BOLLINGER, (MO-Z087) CAPE GIRARDEAU, (MO-Z100) WAYNE, (MO-Z107) CARTER, (MO-Z108) RIPLEY, (MO-Z109) BUTLER, (MO-Z110) STODDARD, (MO-Z111) SCOTT, (MO-Z112) MISSISSIPPI, (MO-Z114) NEW MADRID				
	08/03/11 11:00 CST		0	Excessive Heat
	08/03/11 17:00 CST		0	

A large and strong high in the upper levels of the atmosphere remained centered over the south central United States. The strength and size of the high brought excessive heat as far northeast as the Lower Ohio Valley and Mid-Mississippi Valley. The peak heat index at Poplar Bluff reached 111 degrees on the 1st, 113 on the 2nd, and 126 on the 3rd. The peak heat index at Cape Girardeau reached 106 degrees on the 1st, 101 on the 2nd, and 119 on the 3rd. The combination of the heat and abnormally dry conditions reduced some crop yields, especially corn yields. The governor of Missouri asked the Farm Service Agency to conduct damage assessments in all counties as a result of the excessively hot and dry weather.

STODDARD COUNTY --- 0.8 N DEXTER [36.81, -89.95]				
	08/03/11 17:10 CST		2K	Lightning
	08/03/11 17:10 CST		0	Source: Newspaper

A tree in the yard of a home was struck by lightning. The bolt splintered the large tree in half, shooting wood as far as 70 feet.

BUTLER COUNTY --- POPLAR BLUFF [36.75, -90.40]				
	08/03/11 18:00 CST		0	Hail (1.00 in)
	08/03/11 18:00 CST		0	Source: Public

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
Small clusters of strong to severe thunderstorms tracked southeast along an instability axis that accompanied a cold front. The cold front moved southeast across southeast Missouri during the evening hours. Northwesterly mid-level winds from 30 to 40 knots contributed to sufficient deep-layer shear for isolated large hail.				
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(MO-Z076) PERRY, (MO-Z086) BOLLINGER, (MO-Z087) CAPE GIRARDEAU, (MO-Z100) WAYNE, (MO-Z107) CARTER, (MO-Z108) RIPLEY, (MO-Z109) BUTLER, (MO-Z110) STODDARD, (MO-Z111) SCOTT, (MO-Z112) MISSISSIPPI, (MO-Z114) NEW MADRID	08/06/11 11:00 CST		0	Heat
	08/07/11 18:00 CST		0	
In the wake of a warm frontal passage, hot and humid conditions overspread southeast Missouri. The peak heat index on the 6th reached 109 degrees at Cape Girardeau and 117 at Poplar Bluff. The peak heat index on the 7th reached 107 degrees at both Cape Girardeau and Poplar Bluff.				
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CARTER COUNTY --- 2.1 S ELLSINORE [36.90, -90.75]	08/06/11 21:50 CST		2K	Thunderstorm Wind (EG 52 kt)
	08/06/11 21:50 CST		0	Source: Trained Spotter
A couple of small trees were blown down.				
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BOLLINGER COUNTY --- 3.3 SSE GIPSY [37.12, -90.16]	08/06/11 22:28 CST		0	Hail (1.25 in)
	08/06/11 22:28 CST		0	Source: Trained Spotter
Hail up to the size of half-dollars occurred on Highway TT.				
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CAPE GIRARDEAU COUNTY --- (CGI)CAPE GIRARDEAU [37.23, -89.57]	08/06/11 23:07 CST		0	Thunderstorm Wind (MG 51 kt)
	08/06/11 23:07 CST		0	Source: ASOS
A wind gust to 59 mph was measured at the Cape Girardeau airport automated observation site.				
Numerous clusters of thunderstorms preceded a cold front as it tracked east-southeast across Illinois and southeast Missouri. The storms were aided by a weak but amplifying 500 mb shortwave trough that moved east-southeast toward the middle and upper Mississippi Valley. Several of the storms produced large hail and wind damage.				
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CARTER COUNTY --- FREMONT [36.95, -91.17]	08/07/11 19:47 CST		10K	Thunderstorm Wind (EG 52 kt)
	08/07/11 19:47 CST		0	Source: Public
Trees were blown down in and around Fremont.				
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CARTER COUNTY --- VAN BUREN [37.00, -91.02], EASTWOOD [36.90, -91.03]	08/07/11 20:00 CST		25K	Thunderstorm Wind (EG 61 kt)
	08/07/11 20:00 CST		0	Source: Public
In Van Buren, a large tree was blown down at the county courthouse. In Eastwood, trees were blown down in town, shingles were blown off roofs, and a roof was ripped off a front porch and blown over the house into the back yard. Tree damage was reported at various other locations near these communities.				
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RIPLEY COUNTY --- DONIPHAN [36.62, -90.82]	08/07/11 20:07 CST		0	Thunderstorm Wind (MG 53 kt)
	08/07/11 20:07 CST		0	Source: Emergency Manager
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BUTLER COUNTY --- 7.0 NW POPLAR BLUFF [36.82, -90.49]	08/07/11 20:35 CST		5K	Thunderstorm Wind (MG 53 kt)
	08/07/11 20:35 CST		0	Source: Trained Spotter
A trained spotter measured a wind gust to 61 mph. Branches of varying shapes and sizes were blown down, along with a large dead tree. Power was knocked out for nine hours.				
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WAYNE COUNTY --- 1.9 SE SHOOK [37.03, -90.30]				

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	08/07/11 20:38 CST		20K	Thunderstorm Wind (EG 52 kt)
	08/07/11 20:38 CST		0	Source: Newspaper

Broken power poles were reported in the Lost Creek area. State road crews removed several trees and limbs from state roads.

BUTLER COUNTY --- POPLAR BLUFF [36.75, -90.40], (P02)POPLAR BLUFF AR [36.77, -90.33]

08/07/11 20:40 CST	0.10M	Thunderstorm Wind (MG 56 kt)
08/07/11 20:46 CST	0	Source: ASOS

The automated weather observation system at the Poplar Bluff airport measured a wind gust to 64 mph. A steeple was blown off a church in the city of Poplar Bluff. The steeple was made of fiberglass and measured about four feet by four feet at its base and was about 15 feet tall. In the city of Poplar Bluff, tree limbs and a few whole trees were blown onto power lines. Broken power poles were reported off U.S. Highway 67 north of Poplar Bluff and Highway B east of Poplar Bluff. One of the biggest outages disrupted power to over 600 customers. Power was not fully restored until the following morning. Street department crews cleaned up tree debris well into the next day. In the city of Poplar Bluff, street crews removed 15 trees, 12 of which blocked streets. Limbs were blown down across the city. Outside the city, county road crews reported four roads were blocked. A motorist escaped injury when a tree fell on a vehicle on Highway B east of Poplar Bluff. The vehicle was towed away.

BUTLER COUNTY --- HARVIELL [36.67, -90.47]

08/07/11 20:44 CST	10K	Thunderstorm Wind (EG 56 kt)
08/07/11 20:44 CST	0	Source: Newspaper

A carport was flipped over. A front porch was blown off a mobile home.

BUTLER COUNTY --- FAGUS [36.52, -90.27]

08/07/11 20:58 CST	20K	Thunderstorm Wind (EG 56 kt)
08/07/11 20:58 CST	0	Source: Newspaper

Broken power poles were reported around Fagus.

STODDARD COUNTY --- PAXICO [36.95, -90.17]

08/07/11 21:00 CST	20K	Thunderstorm Wind (EG 61 kt)
08/07/11 21:00 CST	0	Source: Law Enforcement

Trees were blown down. Sheds were blown around.

NEW MADRID COUNTY --- NEW MADRID [36.60, -89.53]

08/07/11 21:46 CST	17K	Thunderstorm Wind (EG 56 kt)
08/07/11 21:46 CST	0	Source: Newspaper

Utility poles were blown over in at least two places.

A forward-propagating mesoscale convective system brought damaging winds to portions of southeast Missouri. The electric co-operative serving the five affected counties reported 5,450 customers lost power. The thunderstorm complex moved southeast at 40 knots across the Ozark foothills toward the Bootheel. The complex stayed generally southwest of a Greenville to Dexter to New Madrid line. The storms occurred ahead of a weak cold front that extended from central Illinois to central and southwest Missouri. The environment was very moist and moderately to strongly unstable. The storms occurred on the southern fringe of a band of moderately strong west-northwest mid-level flow.

WAYNE COUNTY --- SHOOK [37.05, -90.32]

08/23/11 16:15 CST	0	Hail (0.75 in)
08/23/11 16:15 CST	0	Source: Law Enforcement

BUTLER COUNTY --- 3.9 WSW POPLAR BLUFF [36.73, -90.47]

08/23/11 16:50 CST	20K	Thunderstorm Wind (EG 61 kt)
08/23/11 16:50 CST	0	Source: Emergency Manager

A garage attached to a home was blown apart at the intersection of Highway M and County Road 441.

Isolated to scattered thunderstorms formed within a reservoir of high precipitable water values near or exceeding two inches. Isolated storms pulsed up to severe levels in the very moist and unstable air mass, where mixed-layer capes hovered around 3000 j/kg. The storms formed west of a residual cold front that was dissipating over southern Illinois.